3COM SWITCH 5500 10/100 FAMILY

From top: 3Com Switch 5500-EI 28-Port FX, Switch 5500-EI 52-Port, Switch 5500-EI 28-Port, Switch 5500-EI PWR 52-Port, Switch 5500-EI PWR 28-Port

OVERVIEW

The 3Com® Switch 5500 10/100 Family delivers premium levels of performance, security and reliability for robust switching at the enterprise network edge. The family consists of Layer 2/3/4 Fast Ethernet and Power over Ethernet switches, with advanced features that can accommodate the most demanding applications, offering resilient and secure connectivity and the latest traffic-prioritization technologies to optimize applications on converged networks. Designed for maximum flexibility and scalability, 3Com Switch 5500 models come with 24 or 48 10/100 ports, plus four active SFP-based Gigabit Ethernet ports for stacking and uplinks.

The switches can be stacked up to eight units high in one location, or they can be distributed over several sites up to 70 km (43.5 miles) apart and connected via Gigabit links to form a virtual "stack." One stack can provide up to 384 Fast Ethernet ports and may be managed centrally as a single-IP entity. Each stack offers chassis-like availability and resiliency over traditional aggregated-trunk configurations with patented 3Com XRN® (eXpandable Resilient Networking) stacking technology.

Further expansion is possible via clustered stacking technology, allowing single IP management for up to 32 devices from different 3Com switch families, including the Switch 5500G, 5500, 4800G, 4500G, 4500, 4210 and 4200G.

KEY BENEFITS

ENTERPRISE-LEVEL PERFORMANCE

3Com Switch 5500 10/100 devices provide switching capacity of up to 17.6 Gbps for 52-port models and 12.8 Gbps for 28-port models. Wirespeed and line-rate performance is delivered on all ports within the stack. Advanced Layer 3 routing—including OSPF, PIM-SM, PIM-DM and RIP v1/v2—helps deliver optimal performance and system response.

These switches offer Enterprise-class switching features including more MAC addresses, static routes and IP interfaces, greater number of virtual LANs (VLANs), extended port mirroring, Layer 3 OSPF and multicast routing, enhanced resiliency via 3Com XRN stacking technology and IEEE 802.3af Power over Ethernet (PoE) support.

HIGH AVAILABILITY FOR CRITICAL APPLICATIONS

XRN technology, a 3Com innovation, enables multiple interconnected and stackable Layer 3 switches to be managed as a single entity. Stack and switching fabric setup is automated and provides a high level of resiliency and continuous availability without adding to network complexity.

After configuration, all switches actively share routing intelligence and network loads—eliminating the wasted bandwidth and added expense of a passive standby unit. Ultra-fast failover recovery automatically edistributes traffic among the other active units in case a switch becomes disconnected or fails.

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KEY BENEFITS (CONTINUED)

MULTILAYER SECURITY

The Switch 5500 family provides integrated and distributed security enforcement that can be managed from a central location. Access control lists (ACLs) help protect network resources from unauthorized access and data corruption. User-based authentication and DES 56/168-bit† encryption help secure Layer 3 protocols and management controls such as SSH v2 and SNMP. IEEE 802.1X RADIUS/TACACS+ network login and RADIUS Authenticated Device Access (RADA) enforce access control at the network edge.

FLEXIBLE, SECURE FIBER CONNECTIONS

The Switch 5500-EI FX is ideally suited for applications where security is of paramount importance, or where long cable runs are required. This switch provides connections on fiber infrastructures that are almost impervious to electronic eavesdropping because they use optical transmission. The switch uses 100BASE-X SFP transceivers for its 24 100 MB connections, providing the flexibility of running any mix of 100BASE-FX multimode fiber (up to 2 km/1.2 miles) or 100BASE-LX10 single-mode fiber (up to 10 km/6.2 miles).

PRIORITY FOR CONVERGED BUSINESS TRAFFIC

Next-generation traffic prioritization features—including advanced policy-based Class of Service/Quality of Service (CoS/QoS), eight priority queues, committed access rates, bandwidth limiting and filtering and more—identify and optimize delay-sensitive traffic such as voice and video. To help assure this optimization, switches can be configured to automatically isolate voice traffic from 3Com and other IP telephony systems within a voice-dedicated VLAN.

UNIQUE AC/DC POWERED OPERATION

3Com Switch 5500 products are the first stackable switches to support multiple power schemes right out of the box, with a choice of AC, AC and DC, or DC operation. Select models also support IEEE 802.3af PoE, enabling power to be injected out to the edge of the network without the need to install additional wires or upgrade existing power supplies.

REDUNDANT POWER SYSTEM SUPPORT

All 3Com Switch 5500 models support a redundant power system (RPS) connection.

RPS units provide these benefits:

› For PWR switches, an RPS can deliver more power budget for IEEE 802.3af Power over Ethernet than what the switches alone can provide. For example, the Switch 5500G PWR 52-port switch has a PoE power budget of 300 Watts, which means that less than half of the ports can provide the full 802.3af PoE power of 15.4 Watts. With an RPS providing power, all 48-ports can provide a full 15.4 Watts of PoE power.

› They deliver redundant power to switches so there is continued operation should the switch unit power supply fail. This allows for continuous operation of advanced Enterprise networks, particularly important for converged networks running IP phones on the network.

3Com H3C® RPS Systems

3Com switches are compatible with 3Com H3C RPS solutions. These are enterprise-class power redundancy systems that work with many 3Com fixed-configuration switches. 3Com Corporation manufactures networking equipment under the H3C brand for sale into many markets.

These H3C RPS models are used with the Switch 5500:

› The H3C RPS 1000 is 1U high and provides multiple power output connections to support multiple switch units at the same time. Two power rectifiers can be installed for 1+1 load sharing and power redundancy. It supports switches with -54V RPS connections, and delivers sufficient power to fully provision all PoE ports of a switch with full power redundancy.

› The RPS 500 provides selective DC outputs of +12V and -54V. This is a fixed-configuration 1U high unit with a single power rectifier and a single power connection. Sufficient redundant power is available for provisioning a single Switch 5500 48- and 24-port non-PoE unit.

POWERFUL, UNIFIED MANAGEMENT

The 3Com Operating System employed in the Switch 5500G is the same powerful software used in other 3Com enterprise stackable switches as well as in 3Com modular switch and enterprise router families. This makes for an easy mix-and-match of networking technologies with consolidated administration over the entire network, as well as edge-to-core visibility and control when using 3Com management applications such as Intelligent Management Center, Enterprise Management Suite and Network Director.

KEY BENEFITS (CONTINUED)

FUTURE-PROOF INVESTMENT

Standards-based switching and management features provide a networking solution that maximizes IT investment and supports emerging standards. Comprehensive IPv6 management features, as well as IPv6 traffic filtering and classification, prepares your network for this next generation IPv6 version while maintaining full compatibility with today's more common IPv4.

WORLD-CLASS SERVICE, SUPPORT AND TRAINING

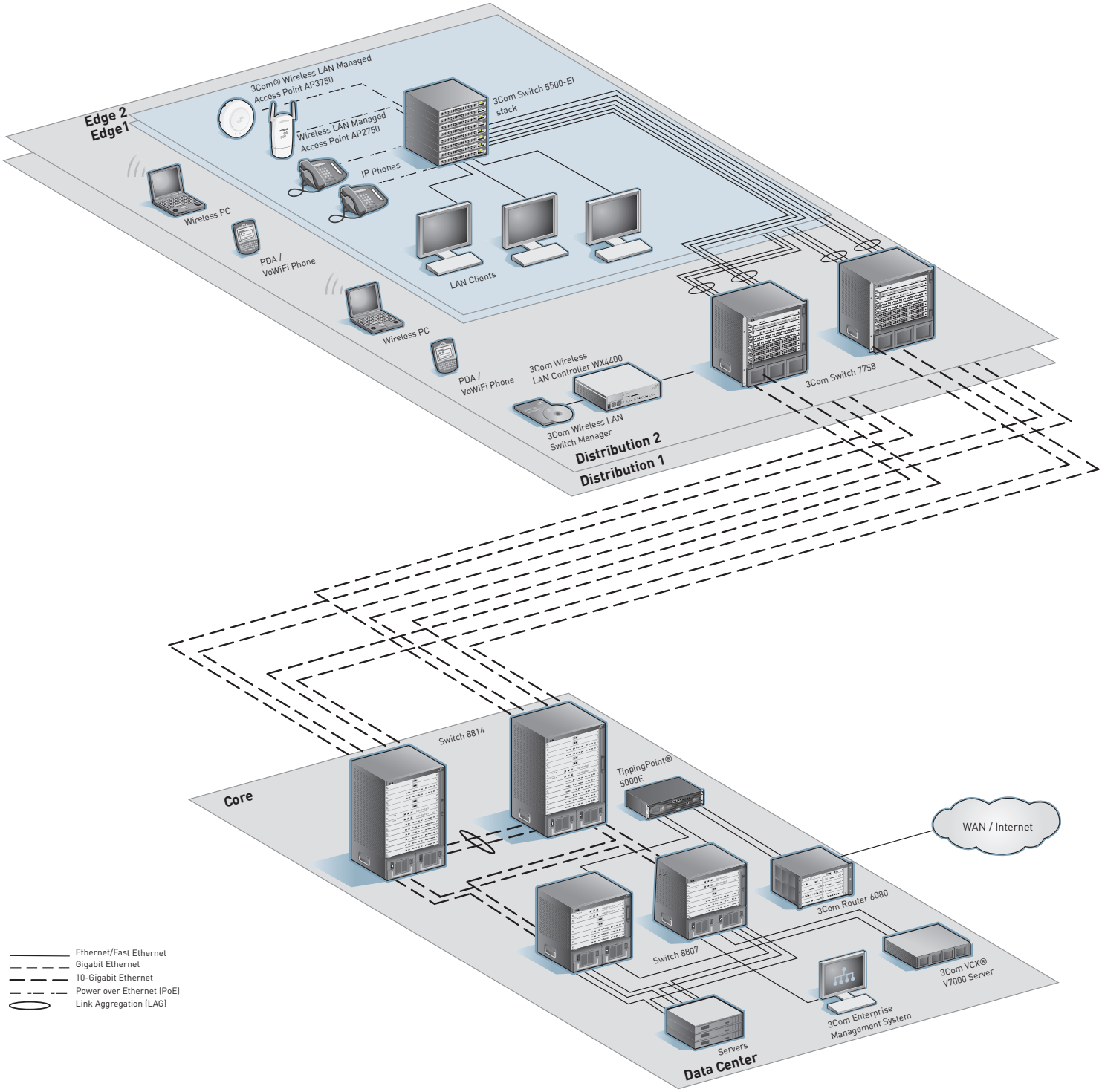
The 3Com Switch 5500 is backed by 3Com and its authorized partners. Professional customer service organizations offer assessment, installation, management and maintenance support for network infrastructures. Skilled personnel with experience in a variety of network environments can assist 3Com customers through all phases of network planning, implementation, troubleshooting and product training.

FEATURE HIGHLIGHTS

- Provides up to 48 10/100 Layer 2/3/4 switched ports per switch and up to 384 10/100 ports per stack
- Equipped with four additional Gigabit Ethernet ports for stacking or uplinks
- Can be stacked eight units high, or implemented as a distributed stack at multiple locations and managed as a single-IP entity
- Delivers wirespeed and line-rate performance on all ports
- Offers OSPF and multicast routing, 3Com XRN stacking technology and IEEE 802.3af Power over Ethernet
- Provides high resiliency and continuous availability with active load sharing and support for ultra-fast failover recovery
- Implements multilayer distributed security including ACLs, DES 56/168-bit† encryption, IEEE 802.1X network login and RADA authentication
- Prioritizes converged network traffic with advanced CoS/QoS and other features to ensure high levels of service for latency-sensitive applications
- Leverages existing power schemes in data centers and switching infrastructures with built-in support for both AC and DC power
- Consolidates administrative control and enhances core-to-edge visibility with an operating system shared with 3Com modular switches and routers
- Offers a fiber model for increased security and infrastructure flexibility
- Backed by top-flight service, support and training from 3Com and 3Com authorized partners

† 168-bit encryption not available in all countries. Refer to www.3com.com for details

SWITCH 5500 FAMILY IN ENTERPRISE CAMPUS NETWORK



PRODUCT WARRANTY AND OTHER SERVICES

Warranty	3Com Limited Lifetime Warranty. For as long as the original end user owns the product, or for five years after 3Com discontinues the of sale of the product, whichever occurs first.
Hardware coverage	Covers the complete unit including power supply and fan.
In-warranty hardware replacement*	Advanced Hardware Replacement of hardware for the duration of the warranty. In the US 48 contiguous states this is same-day ship with next business day delivery when call received before noon Pacific time. For Canada, Alaska and Hawaii, this is same-day ship when call received before noon Pacific time. For the rest of the world, it is next-business-day ship. Actual delivery times may vary depending on customer location. Reasonable commercial efforts apply.
Software coverage	90 days for media replacement.
Software updates*	Access to releases with incremental software features and bug fixes. For the Switch 5500, updates are all releases within the licensed 3Com OS software level.
Online Knowledgebase support*	Access to online troubleshooting tool for the duration of the warranty.

* These services are not included as part of the Warranty and 3Com reserves the right to modify or cancel this offering at any time, without advance notice. This offering is not available where prohibited by law. Services are effective at warranty start date, and are enabled with product registration. Customers receive a user ID with eSupport registration.

SPECIFICATIONS

All information in this section is relevant to all members of the 3Com Switch 5500 10/100 family, unless otherwise stated.

CONNECTORS

52-port models
48 auto-negotiating 10BASE-T/100BASE-TX ports configured as auto-MDI/MDIX; IEEE 802.3af in-line power for PWR models
4 Gigabit SFP ports

28-port non-FX models
24 auto-negotiating 10BASE-T/100BASE-TX ports configured as auto-MDI/MDIX; IEEE 802.3af in-line power for PWR models
4 Gigabit SFP ports

28-port FX
24 SFP ports, to be populated with 100BASE-X SFP multi- or single-mode transceivers
2 auto-negotiating 10BASE-T/100BASE-TX/1000BASE-T ports configured as auto-MDI/MDIX
2 Gigabit SFP ports

PERFORMANCE

52-port
17.6 Gbps switching capacity, max.
13.1 Mpps forwarding rate, max.

28-port
12.8 Gbps switching capacity, max.
9.5 Mpps forwarding rate, max.

All models
Switch fabric bandwidth: 32 Gbps
Wirespeed performance across all ports within stack or fabric
Store-and-forward switching; latency <10 µs
2 Gbps full-duplex stacking bandwidth

LAYER 2 SWITCHING

16K MAC addresses in address table
256 Static MAC addresses, in addition to default address
Jumbo Frame support
4,094 port-based IEEE 802.1Q VLANs
IEEE 802.1 Q-in-Q double-tagged VLANs
IEEE 802.1v protocol-based VLANs
MAC-based VLANs using RADA auto-VLAN assignment
Auto-voice VLAN
IEEE 802.3ad Link Aggregation Control Protocol (LACP); automated and manual aggregation
Link aggregation trunk groups, per switch:
- 26 (52-port); 14 (28-port)
- 8 10/100 ports or 8 SFP ports per group
- 8 Distributed Link Aggregation (DLA) groups

Auto-negotiation and manual configuration of port speed and duplex
IEEE 802.3x full-duplex flow control
Back pressure flow control for half-duplex
Unidirectional Link Detection (UDLD)
Broadcast, Multicast and Unicast traffic suppression
Wake-on-LAN support
IEEE 802.1D Spanning Tree Protocol (STP)
IEEE 802.1w Rapid Spanning Tree Protocol (RSTP)
IEEE 802.1s Multiple Spanning Tree Protocol (MSTP)
Bridge Protocol Data Unit (BPDU) protection
Spanning Tree root guard
Internet Group Management Protocol (IGMP) v1, 2 and 3 snooping
IGMP querier
Filtering for 256 multicast groups
Dynamic Host Configuration Protocol Relay (DHCP) Option 82

LAYER 3 SWITCHING

Hardware based routing
256 static routes, in addition to default address
Address Resolution Protocol (ARP) entries: 4K dynamic, 1K static
64 IP interfaces
Routing Information Protocol (RIP), v1 and v2: 2K routes
Open Shortest Path First (OSPF):
- 2 areas with 4 virtual interfaces per area
- 2 neighbors per virtual interface
- 2 virtual links

Protocol Independent Multicast-Dense Mode (PIM-DM)
Protocol Independent Multicast-Sparse Mode (PIM-SM)
IGMP v1 and v2
Equal Cost Multipath Protocol (ECMP)
Multicast VLAN Registration (MVR)
DHCP Relay: 4 K max.
3Com XRN technology:
- Resilient stacking and fabric links up to 70 km (43.5 mi)
- Distributed Link Aggregation, hot-swappable switch units; high-speed fully resilient trunks up to 8 Gbps
- Distributed Resilient Routing: optimized Layer 3, one routing table per switch

Virtual Router Redundancy Protocol (VRRP)

SPECIFICATIONS (continued)

CONVERGENCE

8 hardware queues per port

IEEE 802.1p Class of Service/Quality of Service (CoS/QoS) on ingress and egress

Remarking of packets based on priority:

- Type of Service (ToS)
- IEEE 802.1p CoS
- IP precedence
- Physical port
- Source/destination MAC address
- VLAN information
- Ethertype
- Source/destination IP address
- Source/destination TCP port
- Source/destination UDP port

Traffic redirection

Time-based Access Control Lists (ACLs)

Auto-prioritization of voice traffic determined by vendor OUI

Weighted Round Robin (WRR), including WRR+SP

Strict Priority Queuing (SPQ)

Weighted Random Early Discard (WRED)

DiffServ Code Point Expedited Forwarding (DSCP EF) remarking for prioritization of VoIP traffic

Application rate limiting and blocking on ingress

Port-based traffic shaping on egress

IEEE 802.3af Power over Ethernet standards-compliant (PWR models)

POE (PWR MODELS ONLY)

IEEE 802.3af PoE injection into Cat5 or 5e LAN wiring (300 W total max.)

Supports all standard and most common pre-standard phones, access points and other PoE devices from selected vendors (Cisco, Nortel, Philips, Siemens, Avaya, NEC, Polycom, Pingtel, Proxim, et. al.)

Available standards-based supplemental power system enables full 15.4 W to all PoE ports in a switch or stack

SECURITY

IEEE 802.1X Network login user authentication:

- Local, RADIUS, or TACACS+ server authentication
- PAP, CHAP, EAP over LAN (EAPoL), EAP-TLS/TTLS and PEAP
- Automatic port assignment of VLANs, ACLs and QoS profile based on user
- Multiple users per port
- 1,024 users per fabric
- Guest VLAN option
- Multiple authentication server realm definitions

RADIUS/TACACS+ session accounting

RADIUS Authenticated Device Access (RADA): authenticate devices based on MAC address against RADIUS server or local database; assign VLAN ID and ACL through RADIUS

Combined MAC and IEEE 802.1X authentication on same port

DHCP Tracker

DHCP snooping, including DHCP Trust

Wirespeed packet filtering in hardware

ACLs filter at Layers 2, 3 and 4:

- Source/destination MAC address
- Ethernet type
- Source/destination IP address
- Source/destination TCP port
- Source/destination UDP port

User-defined ACL filters

VLAN-based ACLs

Port-based MAC address Disconnect Unknown Device (DUD)

ARP inspection and IP source guard

Proxy ARP

IEEE 802.1X or TACACS+ user authentication of switch management on Telnet and console sessions

MD5 cipher-text and clear-text authentication for OSPF v2 and RIP v2 packets and SNMP v3 traffic

Hierarchical management and password protection for management interface and encrypted traffic, with SNMP v3 and SSH v2

4 local user access privilege levels

Trusted management station IP and/or MAC address

SNMPv3 encryption

SSHv2 CLI encryption

SSL/HTTPS secure web access

STACKING

Up to 400 user ports, including up to 384 10/100 ports

Single IP address and management interfaces for stack-wide control

Hot-swappable, resilient stacking

Distributed stacking over standard media with links up to 70 km (43.5 mi)

Distributed Resilient Routing with router tables in all units; no master/slave arrangement

Combine any Switch 5500-EI models into a single stack, up to 8-high, when using XRN technology

Clustered stacking technology: single IP management for up to 32 devices from different 3Com switch families, including Switch 5500G, 5500, 4800G, 4500G, 4500, 4210 and 4200G

MANAGEMENT

CLI via console or Telnet

Embedded web management interface

System configuration with SNMP v1, 2c and 3

Comprehensive statistics, including ACL/QoS and IP interface

Syslog

IPv6 management including pingv6, tracertv6, Telnetv6, TFTPv6, DNSv6 and ARPv6

IPv6 management interface IP address configuration

Remote Monitoring (RMON) groups statistics, history, alarm and events

DHCP server including options 60, 82 and 184

Supports multiple software images and bank swap, stored in non-volatile memory

Configuration conversion tool for migration from Switch 3300, 4200 and 4400 to Switch 5500

1-to-1 port mirroring

Ability to apply ACL to mirror port and forward only certain traffic types

Many-to-1 port mirroring

VLAN-to-1 port mirroring

Remote port mirroring

Detailed alarm and debug information

Front panel indicators for port and unit status information

Supports ping, remote ping and traceroute

Configuration file for backup and restore, stored in non-volatile memory; multiple configuration files available

Backup and restore of software images

Network Time Protocol (NTP)

DHCP Relay and UDP Helper

System file transfer mechanisms: Xmodem, FTP, Trivial FTP (TFTP), Secure FTP (SFTP)

Link Layer Discovery Protocol (LLDP and LLDP-MED)

3Com management applications:

- 3Com Intelligent Management Center (IMC)
- 3Com Network Supervisor (3NS)
- 3Com Network Director (3ND)
- 3Com Enterprise Management Suite (EMS)
- 3Com Switch Manager

DIMENSIONS

Height: 43.6 mm (1.7 in or 1 RU)

Width: 440.0 mm (17.3 in)

Depth: 270.0 mm (10.6 in) (PWR models: 427.0 mm (16.8 in))

Weight: 3.3 kg (7.3 lb) (PWR models: 6.3 kg (13.9 lb))

SPECIFICATIONS (continued)

POWER SUPPLY
Mode support: AC-only, AC and DC, DC-only operation
Built-in DC power stage for direct connection to -48 V supply
AC line frequency: 50/60 Hz
Input voltage: 90-240 VAC
AC current rating: 1.0A max. (PWR models: 7.0A max.)
DC current rating: 2.0A max. (PWR 28-port: 12.0A; PWR 52-port: 19.5A; max.)

Power consumption (max)
52-port non-PWR: 43 W
52-port PWR: 62 W, plus up to 300 W for PoE
28-port non-PWR: 36W
28-port PWR: 50 W, plus up to 300 W for PoE
28-port FX: 47 W

ENVIRONMENTAL
Operating temperature: 0° to 40°C (32° to 104°F)
Operating altitude: 0 to 4,572 meters (0 to 15,000 feet)
Storage temperature: -40° to 70°C (-40° to 158°F)
Humidity (operating and storage): 10% to 95% non-condensing
Standard: EN 60068 (IEC 68)

Sound pressure level (dBA):
52-port non-PWR: 46.5 decibels
52-port PWR: 46.3 decibels
28-port non-PWR: 40.1 decibels
28-port PWR: 47.3 decibels
28-port FX: 51.3 decibels

Heat dissipation (max)
52-port non-PWR: 147 BTU/hour
52-port PWR: 212 BTU/hour; excludes heat from PoE
28-port non-PWR: 123 BTU/hour
28-port PWR: 171 BTU/hour; excludes heat from PoE
28-port FX: 160 BTU/hour

RELIABILITY
(MTBF @ 25°C)
52-port: 44 years (385,000 hours)
52-port PWR: 21 years (184,000 hours)
28-port: 53 years (464,000 hours)
28-port PWR: 30 years (263,000 hours)
28-port FX: 38 years (332,000 hours)

INDUSTRY STANDARDS SUPPORTED

Ethernet Protocols
IEEE 802.1D (STP)
IEEE 802.1p (CoS)
IEEE 802.1Q (VLANs)
IEEE 802.1s (MSTP)
IEEE 802.1v (Protocol VLANs)
IEEE 802.1w (RSTP)
IEEE 802.1X (Security)
IEEE 802.3 (Ethernet)
IEEE 802.3ab (1000BASE-T)
IEEE 802.3ad (Link Aggregation)
IEEE 802.3af (Power over Ethernet)
IEEE 802.3ah (Ethernet in First Mile over Point to Point Fiber — EFMF)
IEEE 802.3i (10BASE-T)
IEEE 802.3u (100BASE-TX/-FX)
IEEE 802.3x (Flow Control)
IEEE 802.3z (1000BASE-X)

Management, including MIBs Supported
RFC 768 (UDP)
RFC 783 (TFTP)
RFC 791 (IP)
RFC 792 (ICMP)
RFC 793 (TCP)
RFC 826 (ARP)
RFC 1058 (Routing Information Protocol)
RFC 1112 (IP Multicasting)
RFC 1157 (SNMP)
RFC 1213 (MIB II)
RFC 1253 (OSPF v2)
RFC 1583 (OSPF v2)
RFC 1587 (OSPF NSSA Option)
RFC 1724 (RIP v2 MIB Extension)
RFC 1757 (RMON)
RFC 1812 (Requirements for IPv4 Routers)
RFC 1850 (OSPF v2)
RFC 1901 (Community Based SNMP v2)
RFC 1902 (SMI for SNMP v2)
RFC 1903 (SNMP v2 Text Conventions)
RFC 1904 (SNMP v2 Conformance)
RFC 1905 (SNMP v2 Protocol Operations)
RFC 1906 (SNMP v2 Transport Mappings)
RFC 1907 (SNMP v2c)
RFC 1908 (SNMP v1/2 Coexistence)
RFC 2021 (RMON II Probe Config)
RFC 2154 (OSPF Digital Signatures)
RFC 2233 (Interfaces)
RFC 2236 (IGMP v2)
RFC 2328 (OSPF v2)
RFC 2338 (VRRP)
RFC 2362 (PIM-SM)
RFC 2570 (SNMP v3 Framework)
RFC 2571 (FrameWork)
RFC 2571-2575 (SNMP)
RFC 2576 (SNMP v1/2/3 Coexistence)
RFC 2578 (SMI v2 Structure)
RFC 2579 (SMI v2 Text Conventions)
RFC 2580 (SMI v2 Conformance)
RFC 2613 (Remote Network Monitoring MIB Extensions)
RFC 2618 (RADIUS Authentication Client)
RFC 2620 (RADIUS Accounting Client)
RFC 2644 (Restricted Directed Broadcast)
RFC 2665 (Pause Control)
RFC 2674 (VLAN MIB Extension)
RFC 2819 (RMON groups Alarm, Event, History and Statistics only)
RFC 2819 (RMON)
RFC 3410 (Management Framework)
RFC 3414 (SNMP v3 USM)
RFC 3415 (SNMP v3 VACM)
RFC 3416 (SNMP Protocol Operations v2)
RFC 3417 (SNMP Transport Mappings)
SNMP v3 and RMON RFC support
RFC 4188 (Bridge MIB)

EMISSIONS / AGENCY APPROVALS
CISPR 22 Class A
FCC Part 15 Class A
EN 55022 1998 Class A
EN 61000-3-2 2000, 61000-3-3
ICES-003 Class A
VCCI Class A

IMMUNITY
EN 55024

SAFETY AGENCY CERTIFICATIONS
UL 60950
IEC 60950-1
EN 60950-1
CAN/CSA-C22.2 No. 60950-1-03

WARRANTY AND OTHER SERVICES
Limited Lifetime Hardware Warranty, including fans and power supply
Limited Software Warranty for 90 days
Advance Hardware Replacement with Next Business Day shipment in most regions
Limited Lifetime software updates
90 days of telephone technical support
Refer to www.3com.com/warranty for details.

SERVICE AND SUPPORT

3Com Global Services offers the resources and talents of a major corporation plus more than two decades of experience in resolving network challenges and delivering business benefits to enterprises around the world.

Global support with a personalized focus in the local language helps drive productivity and minimize expenses. Because 3Com understands both the technology and the business, we're the partner you need to maintain your competitive edge and remain strong.

ADDITIONAL SERVICE, SUPPORT AND TRAINING OFFERINGS

3Com Guardian℠ Maintenance Service
This service provides comprehensive on-site support and includes advance hardware replacement, expedited telephone technical support and software upgrades

3Com Express℠ Maintenance Service
This service provides speedy access to 3Com shipment of advance hardware replacements (including a four-hour option), expedited telephone technical support and software upgrades

Network Health Check
An activity-auditing service focused on improving network performance and productivity

Includes traffic monitoring, utilization analysis, problem identification, and asset deployment recommendations

Extensive report provides blueprint for action

Network Installation and Implementation Services
Experts set-up and configure equipment and integrate technologies to maximize functionality and minimize business disruption

For large and complex sites, implementation services include personalized configuration, project management, extended testing and coaching on network administration

Project Management
Provides extra focus and resources that special projects demand

3Com engineers manage entire process from initial specifications to post-project review

Using structured methodology, requirements are identified, projects planned and progress of implementation activities tracked

3Com University
Self-paced and instructor-led technology and product courses, plus certification programs

ORDERING INFORMATION

PRODUCT DESCRIPTION	3COM SKU
3Com Switch 5500-EI 28-Port	3CR17161-91
3Com Switch 5500-EI 52-Port	3CR17162-91
3Com Switch 5500-EI PWR 28-Port	3CR17171-91
3Com Switch 5500-EI PWR 52-Port	3CR17172-91
3Com Switch 5500-EI 28-Port FX	3CR17181-91
GIGABIT SFP TRANSCEIVERS	
1000BASE-SX SFP	3CSFP91
1000BASE-LX SFP	3CSFP92
1000BASE-T SFP	3CSFP93
1000BASE-LH SFP	3CSFP97

PRODUCT DESCRIPTION	3COM SKU
FAST ETHERNET SFP TRANSCEIVERS	
100BASE-FX SFP†	3CSFP81
100BASE-LX10 SFP†	0231A564
100BASE-BX10-D SFP†	3CSFP85
100BASE-BX10-U SFP†	3CSFP86
3COM GLOBAL SERVICES	
3Com Network Health Check, Installation Services, and Express℠ Maintenance	www.3com.com/services_quote
3Com Global Education and Training Courses	www.education.3com.com

† Only for use with Switch 5500-EI 28-Port FX, 3CR17181-91.

Visit www.3com.com for more information about 3Com network solutions.

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